

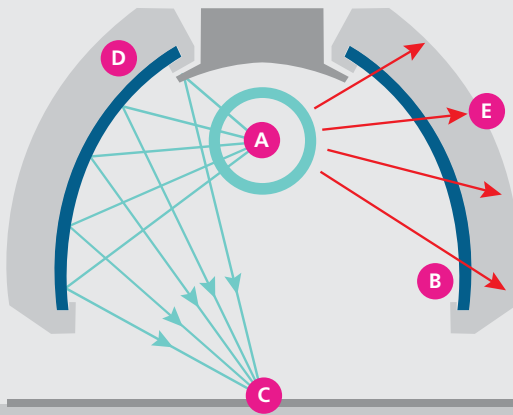
NUVA2

UV Curing System

For demanding UV curing applications up to 250cm wide



NUVA2 UV Lamphead



- A High output lamp
- B Minimal loss reflector
- C Optically tuned UV radiation profile
- D Actively cooled reflector
- E Absorbed heat

Lowest maintenance

- Engineered for fastest, easiest lamp changes
- Lamp's patented ceramic end design prevents breakages during lamp change
- All replaceable components are plug-and-play for easiest maintenance
- Patented active airflow path minimises air consumption and contamination of lamp and reflectors: less cleaning is required to maintain curing performance
- All of the lamphead's working parts are cassette-mounted for ease of access and offline maintenance



The only tool needed to change a UV cassette

GEW NUVA2 UV curing

NUVA2 UV System is safe for the widest range of heat-sensitive materials.

Versatile and controllable, with no heat transfer to the machine or substrate at stand-by through the use of actively air-cooled shutter technology.

- Optically tuned reflectors maximise the lamps' curing effect
- Substrate overheating is reduced
- Air-cooling is now more effective than water-cooling
- Supports the fastest printing speeds
- Highest dose + highest intensity = maximum curing
- LED ready: with a hybrid lamp housing, an LED cassette and an arc lamp cassette can be used interchangeably on the same print unit
- Large range of customisation options available for any application: contact GEW.

Specification

Max electrical power	180W / cm
Spectrum	Mercury**
Irradiance at focal point	6.9W / cm ² *
Typical dose @ 100m / min	160mJ / cm ² *
Maximum length	250cm
Standard cross section	145mm W x 293mm H
Cooling	Air
Standard max operating temperature	40°C (104°F)
Standard max humidity	Non-condensing

*Measured under standard GEW lab conditions with a standard lamphead configuration.

** Lamp variants available on request.



Why use **GEW** NUVA2?

Highly effective, patented design

- Fully air-cooled
- Up to 250cm wide
- 5-year warranty

Lowest total cost of ownership

- 30% energy saving
- Reduced plant air consumption

Easily implemented sustainability measure

- Immediate reduction in CO₂ footprint
- Cool, quiet operation with no need for expensive water-cooling

LED ready

- Upgrade easily to LED UV curing in future using the same RHINO ArcLED hybrid power supply

Available with UV monitoring

- Multi-point UV measurement along the full length of the lamp
- Real time reading of UV intensity supports superior process consistency

Maximum machine productivity

- Fast start lamp technology
- Proactive downtime avoidance
- Consistent, high-speed curing
- Quick to install

Available with inert atmosphere curing

- Enables production of silicone release liners and food packaging
- Process consistency assured with embedded precision oxygen level control
- Fully engineered solutions designed to suit your specific application

Options

- Doped lamps (Fe, Ga)
- Customisation to suit specialist applications



Scan here to watch the **NUVA2 video demonstration**

Peter Rambusch

Managing Partner

certoplast

Technische Klebebänder GmbH, Germany

“ Only GEW was able to offer us a comprehensive package of efficiency, reliability and embedded service with remote monitoring... the initial investment is recouped in less than four years with the added benefit of faster, more stable production. ”



RHINO power

Fail-safe operation

Military-grade design protects the UV system from damage caused by incorrect voltage, short-to-ground, dropped phases, mains spikes and lightning strikes. In the event of a serious mains disruption, the system powers down in a safe mode.

RHINO is designed to run in the harshest conditions and at ambient temperatures of up to 40°C. The system is unaffected by dust, ink mist and other contaminants.

Lowest operating costs

With intelligent power management the current draw is balanced and harmonic distortion is minimised, reducing energy demand.

Minimal footprint RHINO Rack

A compact cabinet houses power supplies for up to 6 lamps and provides perfect cooling, atmospheric protection and mains power distribution.

5-year warranty available

Using GEW's embedded service package gives total confidence in the reliability of GEW power electronics and minimises unplanned maintenance costs. GEW is the only UV supplier to offer this level of warranty.

Ultimate control



RHINO touch panel

Embedded service

RHINO Control is connected to the internet and encrypted system performance data is sent live to GEW 24/7.

This ensures the fastest and most precise response to service issues available in the industry.

System performance reports

Regular reports are generated, detailing energy usage, uptime percentage and system performance.

The Event Log continually records system use and operating parameters, ensuring the system is working at peak efficiency at all times.



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